



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

in re PATENT APPLICATION OF

SMITH et al.

Group Art Unit: 1713

Appln. No.: 10/002,616

Examiner: R. Rabago

Filed: December 5, 2001

Confirmation No. 1946

Title: MELT-PROCESSIBLE, WEAR RESISTANT
POLYETHYLENE

Date: December 6, 2002

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PRELIMINARY AMENDMENT

Hon. Commissioner of Patents
Washington, D.C. 20231

Sir:

Prior to examination on the merits, please amend the above identified application in the manner set forth below.

IN THE SPECIFICATION

Please delete Table II on page 17 of the specification and substitute therefor:

Table II

Sample	Viscosity at 10^{-1} rad/s (Pa.s)	\bar{M}_n (kg/mol)	\bar{M}_w (kg/mol)	\bar{M}_w / \bar{M}_n	Crystallinity (%)	Wear coefficient, $10^{-4} \cdot \kappa$ (mm ³ /mN)
PE-I	$2.9 \cdot 10^3$	21	91	4.3	63.2	4.02
PE-II	$7.0 \cdot 10^4$	7	230	32.9	66.9	4.20
90/10 PE-II/PE-III	$1.6 \cdot 10^5$	8	414	50.0	66.6	3.90
80/20 PE-II/PE-III	$3.5 \cdot 10^5$	9	522	58.0	65.6	3.72
60/40 PE-II/PE-III	$8.0 \cdot 10^5$	12	978	81.5	61.8	3.31
90/10 PE-I/PE-III	$3.4 \cdot 10^4$	24	289	12.0	62.0	3.59
80/20 PE-I/PE-III	$2.0 \cdot 10^5$	26	529	20.3	57.2	3.60